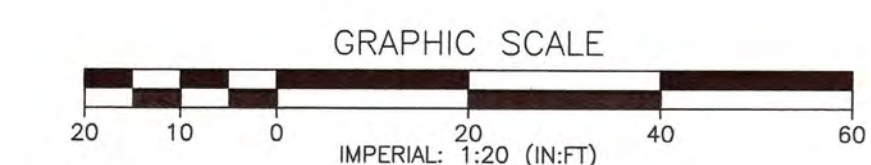


NOTE:

- ALL SERVICES TO BE CONNECTED TO 16\"/>

REVISION	DATE	DESCRIPTION
3		
2		
1		

PENNICHUCK 25 Manchester Street Merrimack, N.H. 03054-1947 Tel 603-913-2300 Fax 603-913-2362 www.pennichuck.com		2016 MAIN STREET INTERSECTIONS WATER MAIN IMPROVEMENTS NASHUA, NEW HAMPSHIRE	
DRAFTER M. PEPIN	DRAWING DATE FEB. 10, 2016	CONSTRUCTION DATE MONTH, YEAR	INSTALLED BY -
DESIGNER P. TEDDER	INSPECTOR -	ASBUILT NO. -	SCALE 1" = 20'
			SHEET NO. 1 OF 6



CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC.
WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

CHANNELIZATION DEVICES
20 FT. ON CENTER

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

NORTHBOUND LANE SHIFT

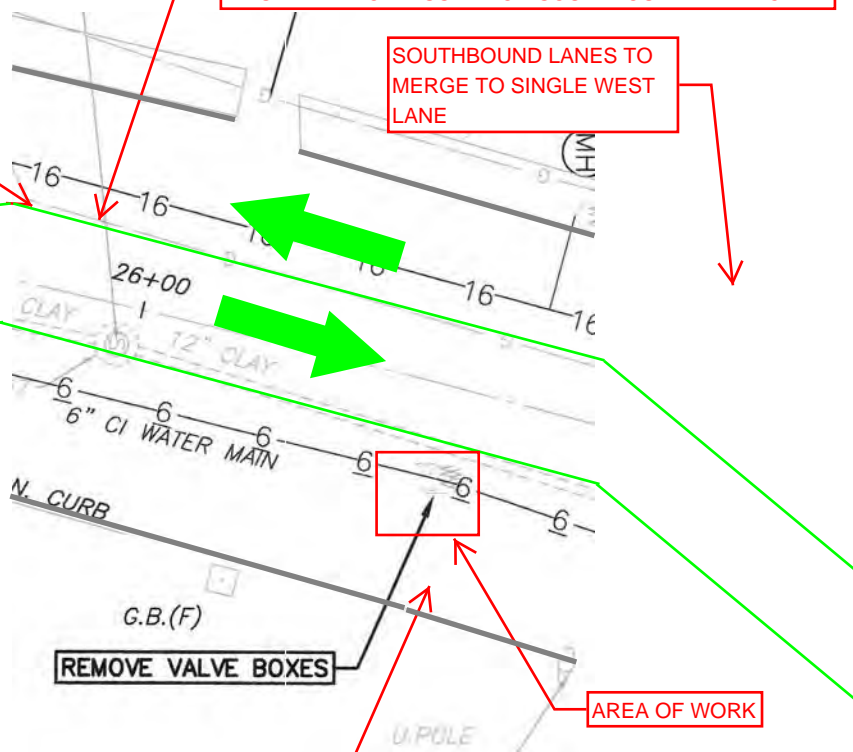
NORTHBOUND LANE:
CLOSED TO TRAFFIC.

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF WORKZONES

AREA OF WORK

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"



TRAFFIC CONTROL PLAN

SCALE: NTS



Civil Engineers
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Landscape Architects
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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 1/PAGE 1A

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC.

WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

NORTHBOUND LANE SHIFT

CHANNELIZATION DEVICES
20 FT. ON CENTER

NORTHBOUND LANE:
CLOSED TO TRAFFIC.

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF WORKZONES

AREA OF WORK

DICKERMAN ST CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

CUT & CAP 6" WATER MAIN
W/6" CI/DI COUPLING,
6" DIPCL NIPPLE,
6" MJ DI CAP
TAP FOR 2" AIR RELEASE ASSEMBLY

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 1/PAGE 1B

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE CLOSED TO TRAFFIC.

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON NORTH AND SOUTH OF WORKZONES

ALTERNATE DRIVE AISLES AS WORK REQUIRES

CHANNELIZATION DEVICES 20 FT. ON CENTER

SOUTHBOUND LANE EASTERN LANE TO BE USED FOR SOUTHBOUND TRAFFIC.

NORTHBOUND LANE TO BE USED FOR NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO MERGE TO SINGLE WEST LANE

NEW 16" DI/CI COUPLING
W/24"LG x 16"Ø DIPCL NIPPLE

SOUTHBOUND LANE SHIFT
AREA OF WORK

NEW 16"x8" MJ DI TEE
W/ML & PTB

NEW 8" MJ DI RS GV
W/8" FOSTER ADAPTER

AFTER SUCCESSFUL BACTERIA
TEST INSTALL
NEW 8" DI/CI COUPLING
REPLACES EXISTING 8" GV

MONTGOMERY ST CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS

PREPARED FOR:
HUTTER CONSTRUCTION

DATE	
SHEET/PAGE NO.	SHEET 1/PAGE 1C

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

STEVENS ST CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

SOUTHBOUND LANE:
WEST LANE CLOSED TO TRAFFIC

EAST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

AREA OF WORK

CHANNELIZATION DEVICES
20 FT. ON CENTER

NORTHBOUND LANE SHIFT

100-150 FT. (OR GREATER WHEN
POSSIBLE) TAPER ON NORTH
AND SOUTH OF WORKZONES

8" CLAY IN (W) = 185.40
8" CLAY IN (NW) = 185.42
8" CLAY IN (SW) = 185.17
8" CLAY OUT (E) = 185.40

REPLACE EXISTING 4" GV
W/NEW 4" CI/DI COUPLING

NEW 8"x4" MJ DI REDUCER

NEW 8" MJ DI RS GV
W/6'LG x 8"Ø DIPCL NIPPLE

NEW 16"x8" MJ DI TEE
W/ML & PTB

NEW 16" MJ DI RS BFV
W/24'LG x 16"Ø DIPCL NIPPLE

SOUTHBOUND LANES TO
MERGE TO SINGLE EAST
LANE

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 1/PAGE 1D

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

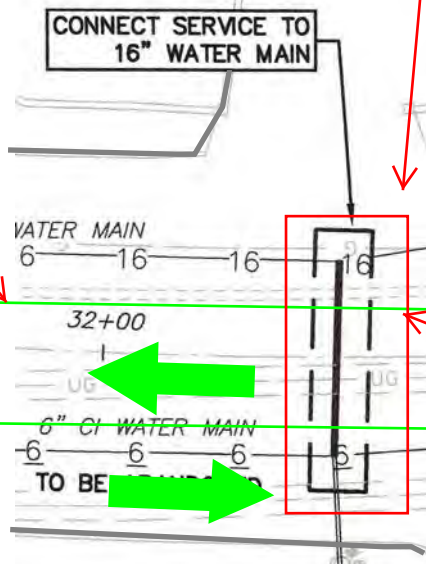
LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

PARK AVE CLOSED
R11-3a
"ROAD CLOSED LOCAL TRAFFIC ONLY"

CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON NORTH AND SOUTH OF WORKZONES



SOUTHBOUND LANE:
WEST LANE CLOSED TO TRAFFIC

EAST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE EAST
LANE

AREA OF WORK

ALTERNATE DRIVE AISLES
AS WORK REQUIRES

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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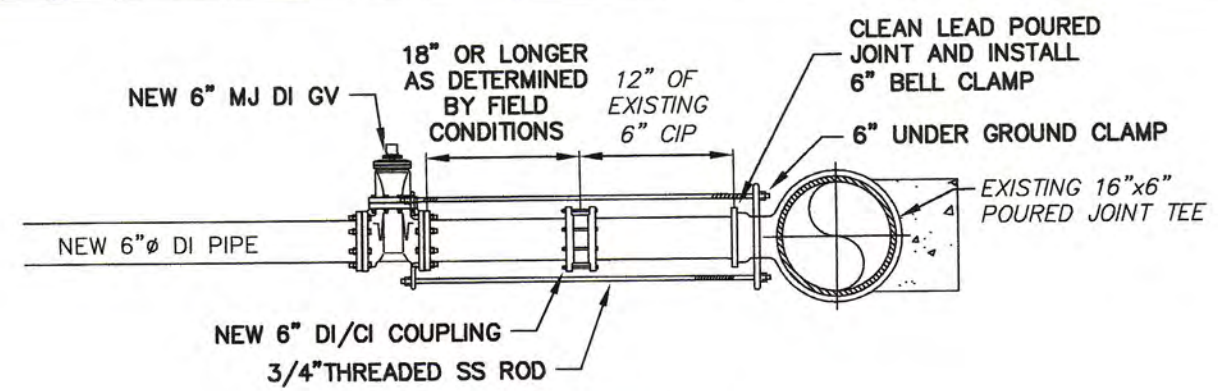
**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

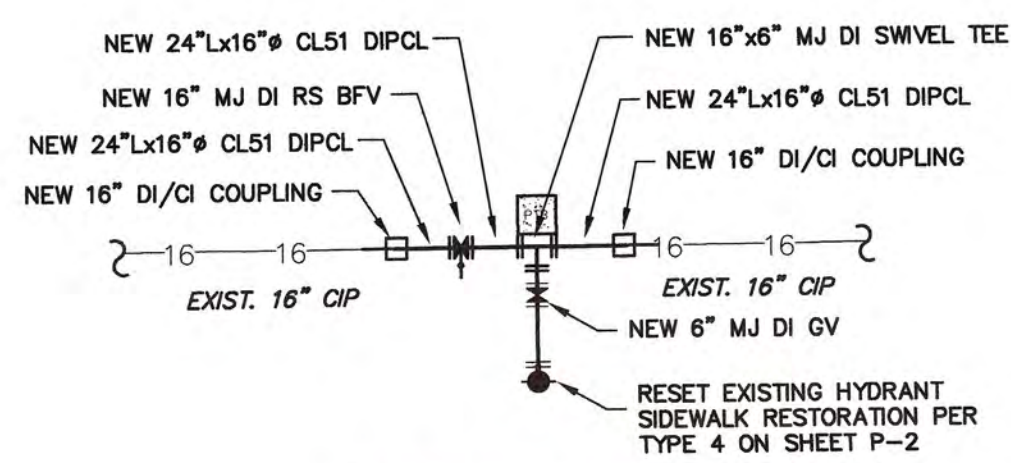
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SHEET/PAGE NO.

SHEET 1/PAGE 1E

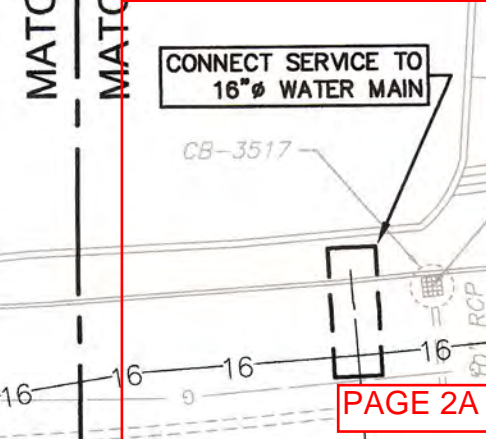


DETAIL "A"
NTS

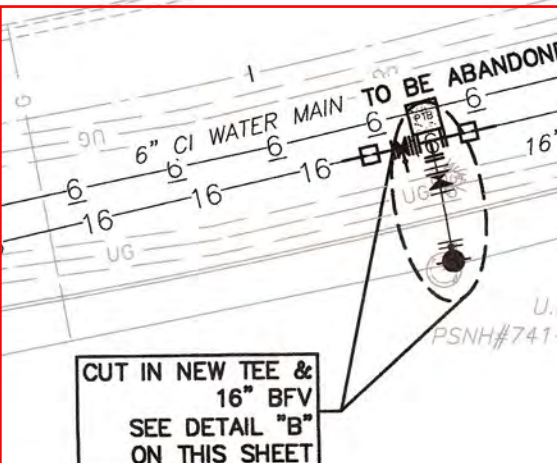


DETAIL "B"
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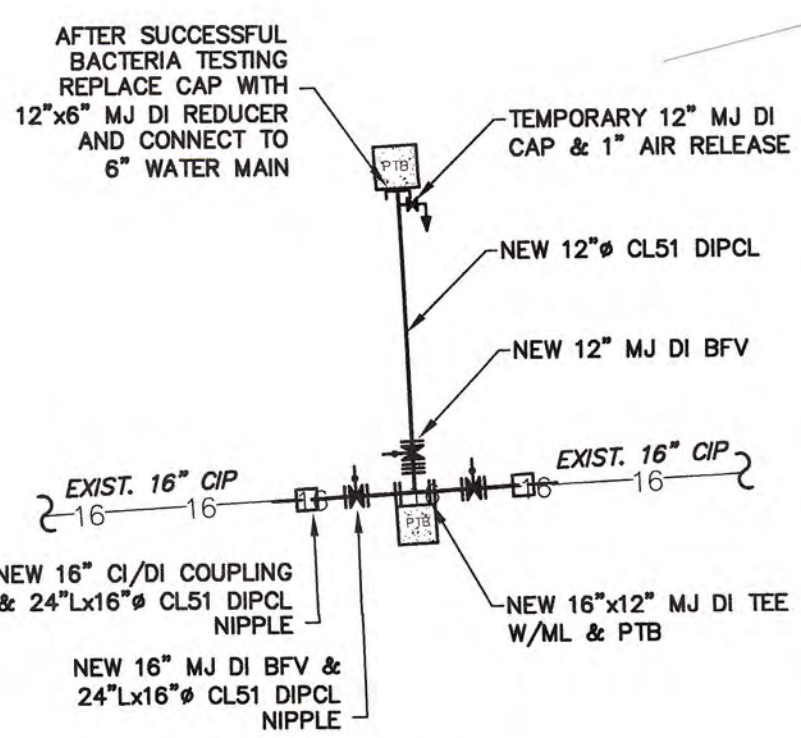
MATCH LINE SHEET 1
MATCH LINE SHEET 2



PAGE 2A



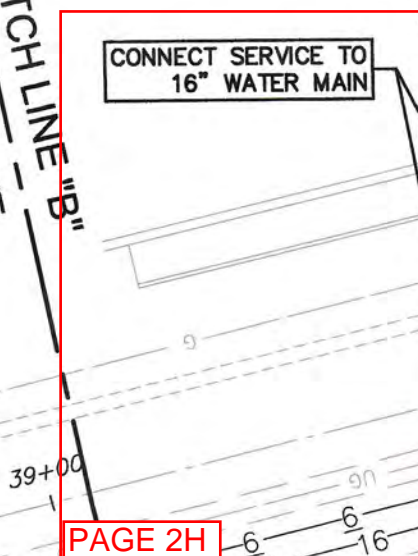
PAGE 2B



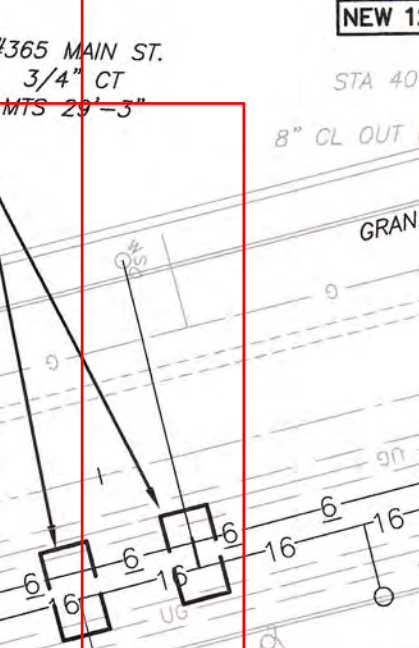
DETAIL "C"
NTS

SEE ABOVE

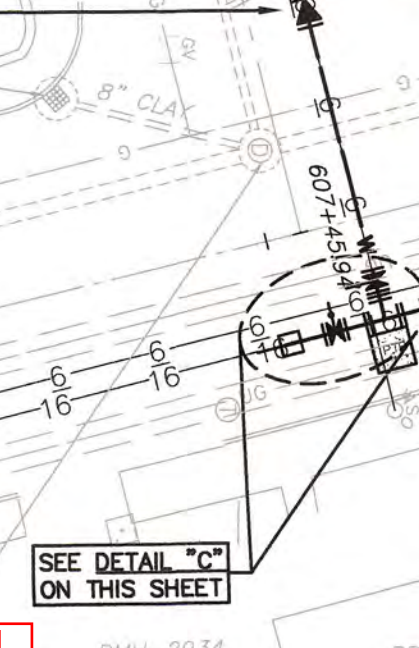
MATCH LINE "B"



PAGE 2H



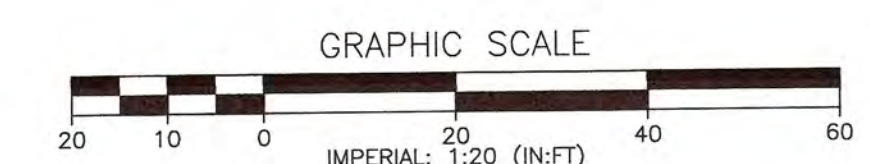
PAGE 2I



PAGE 2J

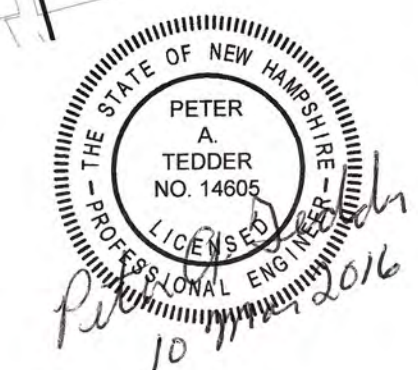
NOTE:

- ALL SERVICES TO BE CONNECTED TO 16" WATER MAIN
- EXISTING SURVEY DONE BY MERIDIAN LAND SERVICES INC. AROUND SEPTEMBER-DECEMBER 2015.



REVISION	DATE	DESCRIPTION
3		
2		
1		

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DRAFTER M. PEPIN	DRAWING DATE FEB. 10, 2016	CONSTRUCTION DATE MONTH, YEAR	INSTALLED BY -
DESIGNER P. TEDDER	INSPECTOR -	ASBUILT NO. -	SCALE 1" = 20'
			SHEET NO. 2 OF 6



CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE CLOSED TO TRAFFIC

EAST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

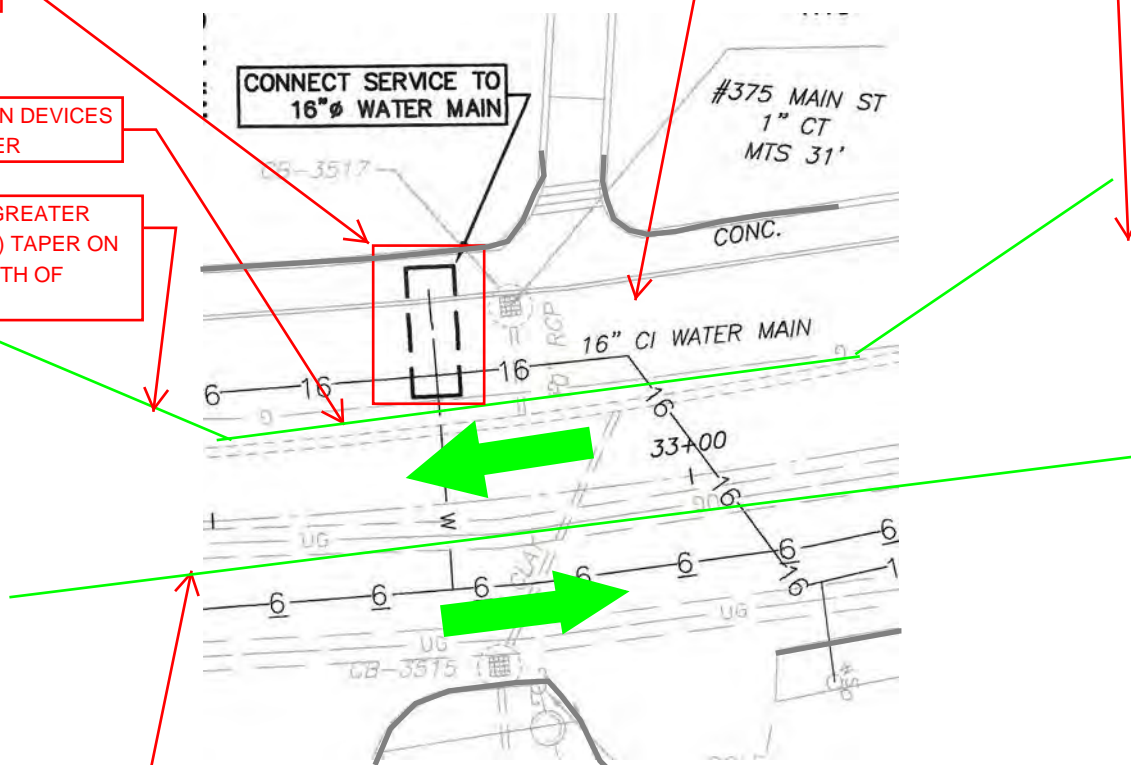
SOUTHBOUND LANES TO
MERGE TO SINGLE EAST
LANE

AREA OF WORK

CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

NORTHBOUND LANE SHIFT



TRAFFIC CONTROL PLAN

SCALE: NTS



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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2A

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

CHANNELIZATION DEVICES
20 FT. ON CENTER

NORTHBOUND LANE SHIFT

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

NORTHBOUND LANE CLOSED
TO TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

AREA OF WORK

CUT IN NEW TEE &
16" BFV
SEE DETAIL "B"
ON THIS SHEET

#378 MAIN ST.
1" CT
MTS 10'

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

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HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2B

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

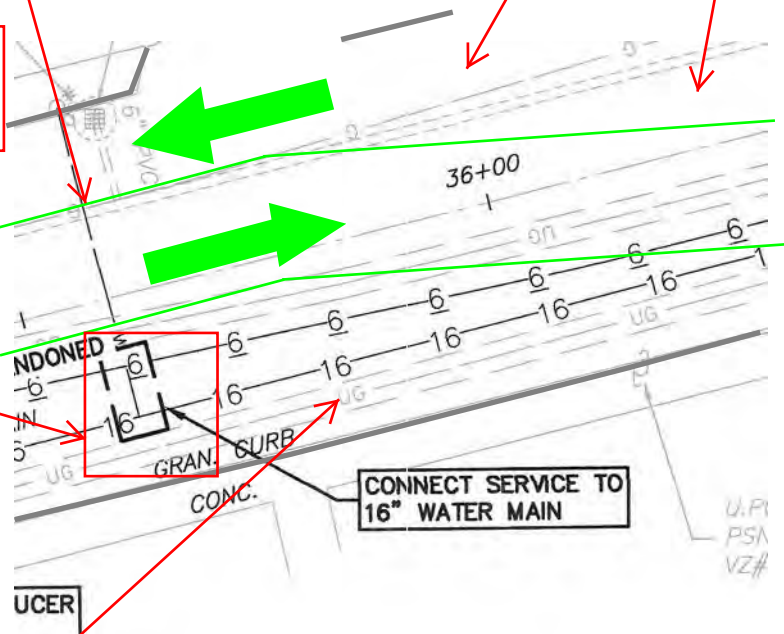
CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

AREA OF WORK

NORTHBOUND LANE SHIFT

NORTHBOUND LANE CLOSED
TO TRAFFIC



W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2D

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

CLOSE FOWELL AVE AS REQUIRED

R11-3a
"ROAD CLOSED LOCAL TRAFFIC ONLY"

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC

INSTALL TEMPORARY 6" MJ DI CAP
W/18"LG x 6"Ø DIPCL NIPPLE
AND 6" CI/DI COUPLING
AND TEMP. 1" AIR RELEASE ASSEMBLY

FROM FOWELL AVE.
MAIN ST.
1" CT
TS 23'

REMOVE AND REPLACE THE TEMP.
ASSEMBLY WITH A SINGLE
6" DI/CI COUPLING AND 2" AIR
RELEASE ASSEMBLY FOR FINAL
CONNECTION

CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

AREA OF WORK

CONNECT SERVICE TO
16" WATER MAIN

LEAVE EXISTING
16"x8" POURED JOINT TEE
SEE DETAIL "A"

NORTHBOUND LANE SHIFT

NORTHBOUND LANE CLOSED
TO TRAFFIC

ALTERNATE DRIVE AISLES AS
REQUIRED BY WORK

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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2016 MAIN ST. INTERSECTIONS WATER MAIN IMPROVEMENTS

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HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2E

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

THIS MIGHT ALREADY BE ON THE 16"
CONNECT SERVICE TO
16"Ø WATER MAIN

INSTALL NEW

AREA OF WORK

NORTHBOUND LANE SHIFT

NORTHBOUND LANE CLOSED
TO TRAFFIC

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

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HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2F

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

NORTHBOUND LANE CLOSED
TO TRAFFIC

AREA OF WORK

CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES (SEE SHEET 2F)

NORTHBOUND LANE SHIFT

RUSSELL AVE CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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2016 MAIN ST. INTERSECTIONS WATER MAIN IMPROVEMENTS

PREPARED FOR:
HUTTER CONSTRUCTION

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SHEET/PAGE NO.

SHEET 2/PAGE 2G

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

CHANNELIZATION DEVICES
20 FT. ON CENTER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

AREA OF WORK

NORTHBOUND LANE SHIFT

NORTHBOUND LANE CLOSED
TO TRAFFIC

CONNECT SERVICE TO
16" WATER MAIN

MTS 29'-3"

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2H

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

CLOSE PRATT STREET AS REQUIRED

R11-3a
"ROAD CLOSED LOCAL TRAFFIC ONLY"

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC

TEMPORARY 6" CI/DI COUPLING,
6" DIPCL NIPPLE,
6" MJ DI CAP AND 2" AIR RELEASE
REPLACE 6" DIPCL NIPPLE AND
6" CI/DI COUPLING ON
FINAL TIE IN.

CHANNELIZATION DEVICES
20 FT. ON CENTER

12"x6" MJ DI REDUCER

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

AREA OF WORK

NORTHBOUND LANE SHIFT

ALTERNATE DRIVE AISLES AS
REQUIRED BY WORK

NORTHBOUND LANE CLOSED
TO TRAFFIC

SEE DETAIL "C"
ON THIS SHEET

NEW 16" CI/DI COUPLING
24"Lx16" CL51 DIPCL NIPPLE

NEW 16" MJ DI BFV
24"Lx16" CL51 DIPCL

NEW 6" CI/DI COUPLING
18"Lx6" CL52 DIPCL NIPPLE

W20-1 "ROAD WORK AHEAD"

W20-4 "ONE LANE RD AHEAD"

W4-2: MERGE SIGN

TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:

W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

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SHEET/PAGE NO.

SHEET 2/PAGE 2I

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LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

CONNECT SERVICE TO
16" WATER MAIN

NEW 16" CI/DI COUPLING
24"Lx16" CL51 DIPCL NIPPLE

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

CHANNELIZATION DEVICES
20 FT. ON CENTER

NEW 16" CI/DI COUPLING
15'Lx16" CL51 DIPCL

100-150 FT. (OR GREATER
WHEN POSSIBLE) TAPER ON
NORTH AND SOUTH OF
WORKZONES

NORTHBOUND LANE CLOSED
TO TRAFFIC

AREA OF WORK

NEW 10'Lx8" CL52 DIPCL

NEW 8" MJ DI RS GV

NEW 8"X6" MJ DI REDUCER
W/ML & PTB

NEW 6"X45" MJ DI BEND
W/ML & PTB

NEW 16" CI/DI COUPLING
24"Lx16" CL51 DIPCL NIPPLE

NEW 16" MJ DI BFV
24"Lx16" CL51 DIPCL

NEW 6" CI/DI COUPLING
18"Lx6" CL52 DIPCL NIPPLE

TEMP. 6" MJ DI CAP W/ 1"
AIR RELEASE AND AFTER
SUCCESSFUL BACTERIA TEST
COMPLETE CONNECTION TO

NORTHBOUND LANE SHIFT

LINCOLN AVE CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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SHEET/PAGE NO.

SHEET 2/PAGE 2J

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

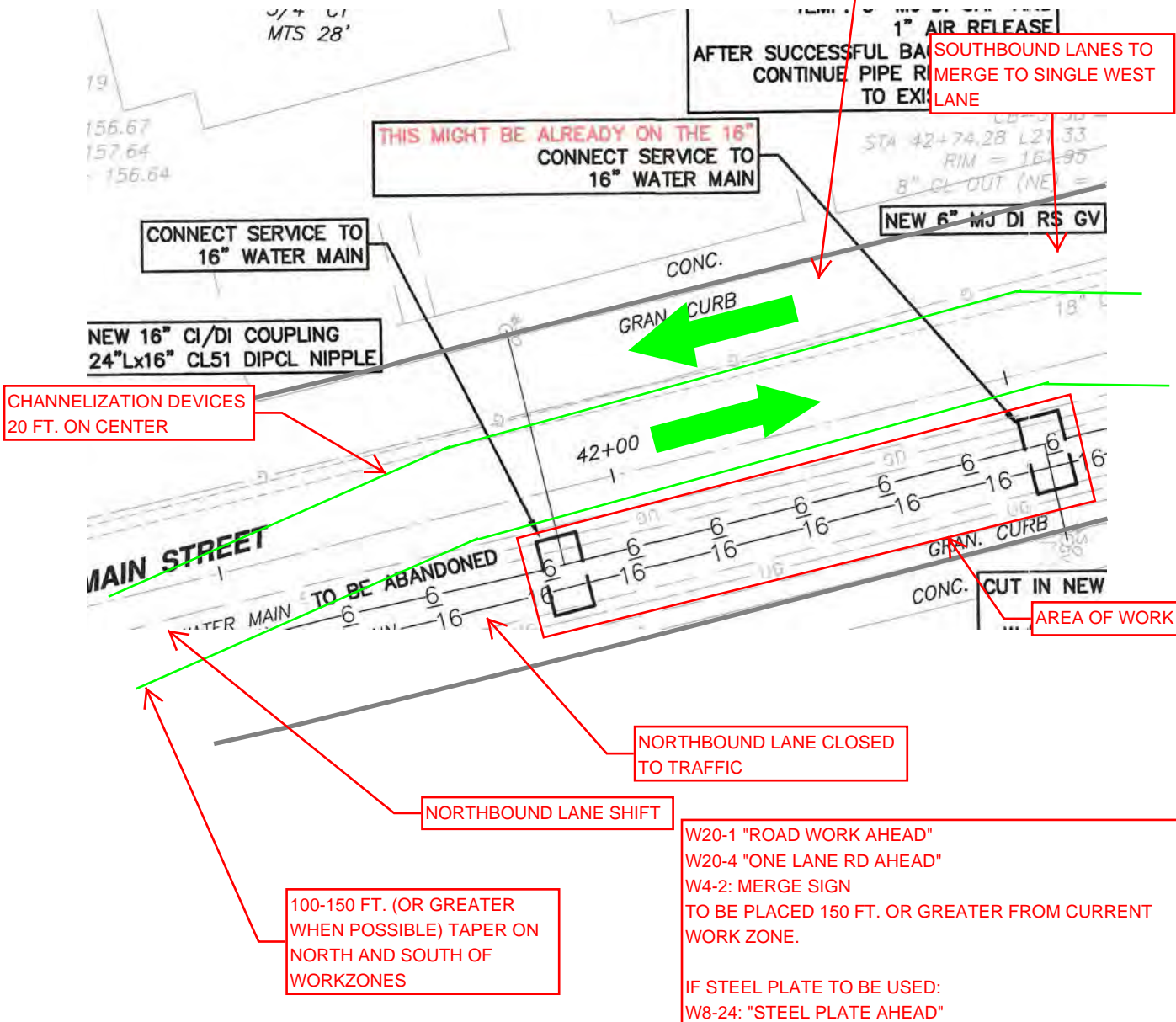
LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE



TRAFFIC CONTROL PLAN

SCALE: NTS



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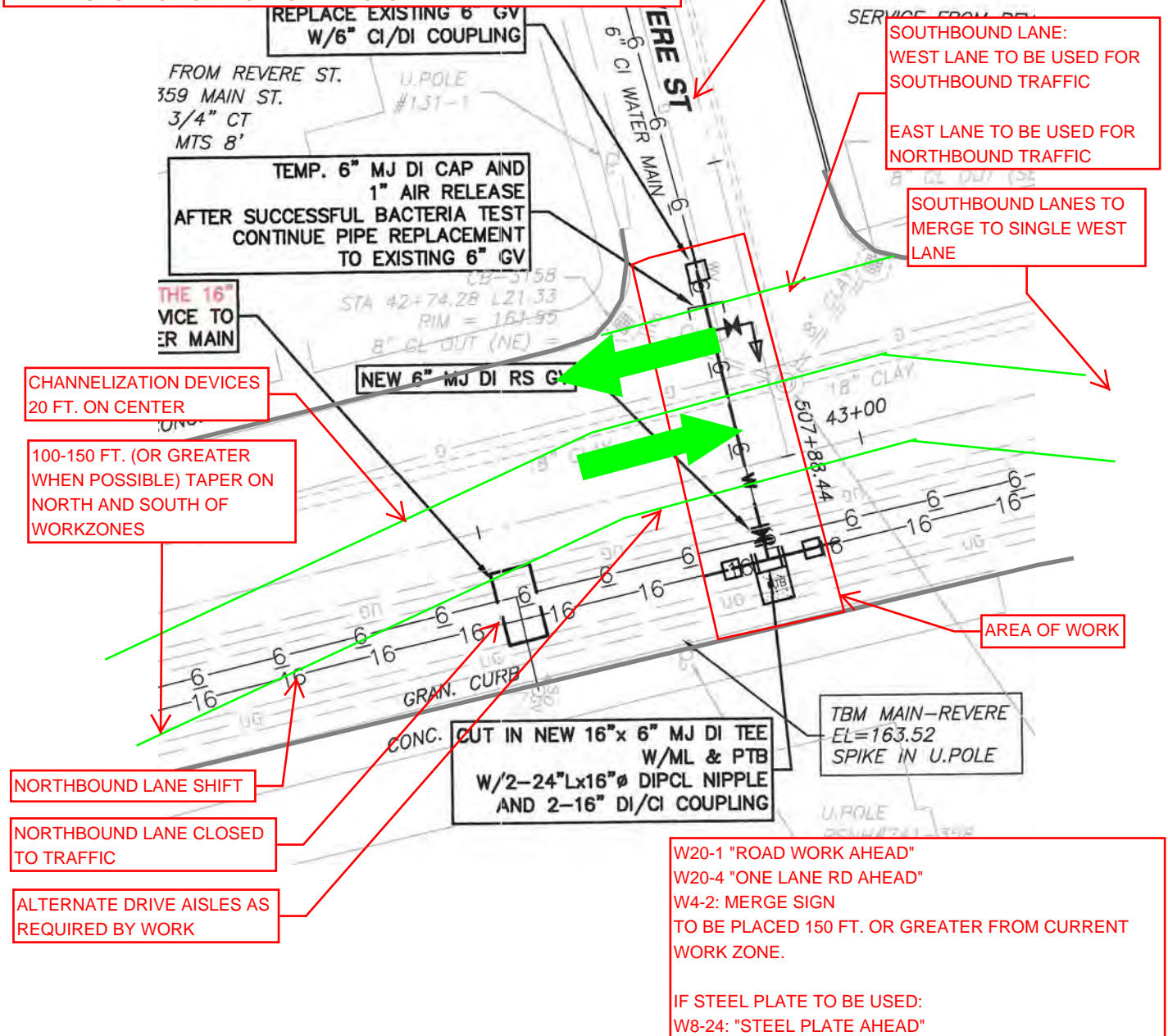
SHEET/PAGE NO.

SHEET 2/PAGE 2K

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.



TRAFFIC CONTROL PLAN

SCALE: NTS



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SHEET/PAGE NO.

SHEET 2/PAGE 2L

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

CHANNELIZATION DEVICES 20 FT. ON CENTER

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON NORTH AND SOUTH OF WORKZONES

SOUTHBOUND LANE:
WEST LANE TO BE USED FOR
SOUTHBOUND TRAFFIC

EAST LANE TO BE USED FOR
NORTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

NORTHBOUND LANE CLOSED
TO TRAFFIC

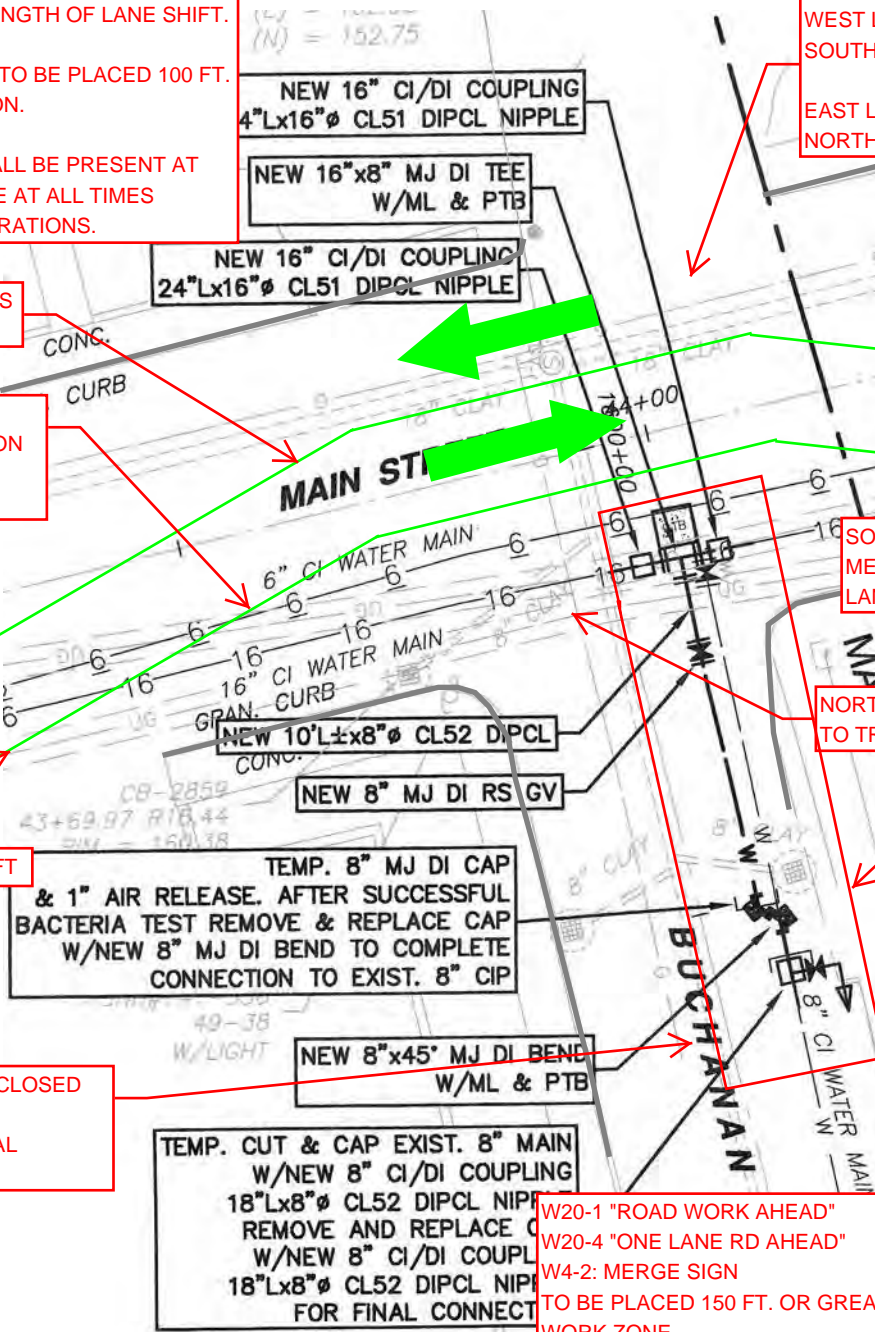
AREA OF WORK

NORTHBOUND LANE SHIFT

BUCHANAN STREET CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"



TRAFFIC CONTROL PLAN

SCALE: NTS



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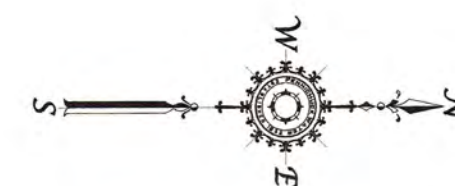
**2016 MAIN ST. INTERSECTIONS
WATER MAIN IMPROVEMENTS**

PREPARED FOR:
HUTTER CONSTRUCTION

DATE

SHEET/PAGE NO.

SHEET 2/PAGE 2M



FOR CONTINUATION
SEE SHEET 4

MATCHLINE SHEET 3
SEE ABOVE

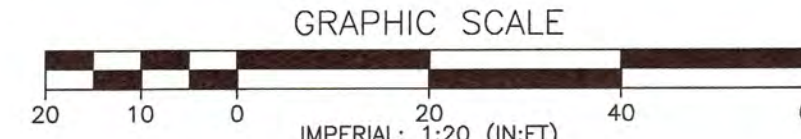
MATCHLINE "C"
SEE BELOW

THIS INTERSECTION TO BE PRESSURE
TESTED AND BACTERIA TESTED BEFORE
FINAL CONNECTION.

TEST PIT #1
NTS
IN MAIN STREET FACING NORTH

TEST PIT #2
NTS
IN MAIN STREET FACING NORTH

DETAIL "D"
NTS



REVISION		DATE	DESCRIPTION	
3				
2				
1				

 25 Manchester Street Merrimack, N.H. 03054-1947 Tel 603-913-2300 Fax 603-913-2362 www.pennichuck.com		2016 MAIN STREET INTERSECTIONS WATER MAIN IMPROVEMENTS MAIN STREET NASHUA, NEW HAMPSHIRE	
DRAFTER M. PEPIN	DRAWING DATE FEB. 10, 2016	CONSTRUCTION DATE MONTH, YEAR	INSTALLED BY -
DESIGNER P. TEDDER	INSPECTOR -	ASBUILT NO. -	SHEET NO. 3 OF 6



CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

UNIFORMED OFFICER SHALL BE PRESENT AT EACH END OF WORK ZONE AT ALL TIMES DURING WORK ZONE OPERATIONS.

NORTHBOUND LANE:
CLOSED TO TRAFFIC.

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON NORTH AND SOUTH OF WORKZONES

CHANNELIZATION DEVICES
20 FT. ON CENTER

SOUTHBOUND LANE:
EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC.
WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

SOUTHBOUND LANES TO
MERGE TO SINGLE WEST
LANE

CONNECT SERVICES TO
16" WATER MAIN

AREA OF WORK

AREA OF WORK

NORTHBOUND LANE SHIFT

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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PREPARED FOR:
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DATE

SHEET/PAGE NO.

SHEET 3/PAGE 3A

SHEET 3/PAGE 3B

CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

SOUTHBOUND LANE: EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC. WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

REPLACE EXISTING 6" GV W/6" CI/DI COUPLING

TBM MAIN-FIELD
EL=155.83
SPIKE IN U.POLE

SERVICE FROM
#347 MAIL
3/4" C
MTS 1

FIELD STREET CLOSED
R11-3a
"ROAD CLOSED LOCAL
TRAFFIC ONLY"

AREA OF WORK

TEMP 6" CAP W/1" AIR RELEASE
AFTER SUCCESSFUL BACTERIA TEST
COMPLETE CONNECTION TO EXIST. 6" CIP

NORTHBOUND LANE CLOSED TO TRAFFIC.

100-150 FT. (OR GREATER WHEN POSSIBLE)
TAPER ON NORTH AND SOUTH OF
WORKZONES

CHANNELIZATION DEVICES
20 FT. ON CENTER

AREA OF WORK

LEAVE EXIST
16"x6" POUR
SEE DETAIL
ON SHEET 2

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT
WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

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SHEET/PAGE NO.

SHEET 3/PAGE 3C

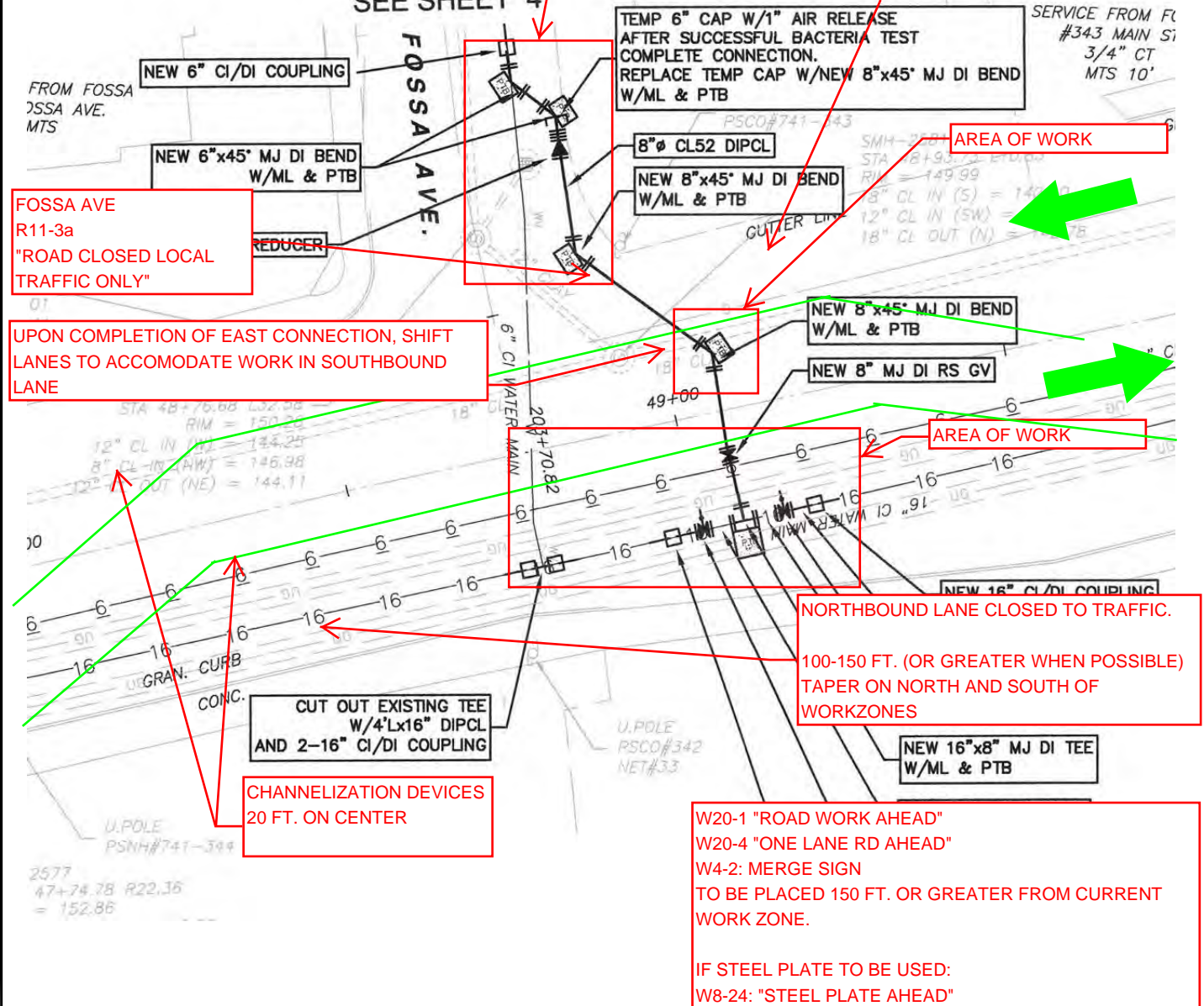
CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

AREA OF WORK

SOUTHBOUND LANE: EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC. WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

FOR CONTINUATION
SEE SHEET 4



TRAFFIC CONTROL PLAN

SCALE: NTS



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SHEET/PAGE NO.

SHEET 3/PAGE 3D

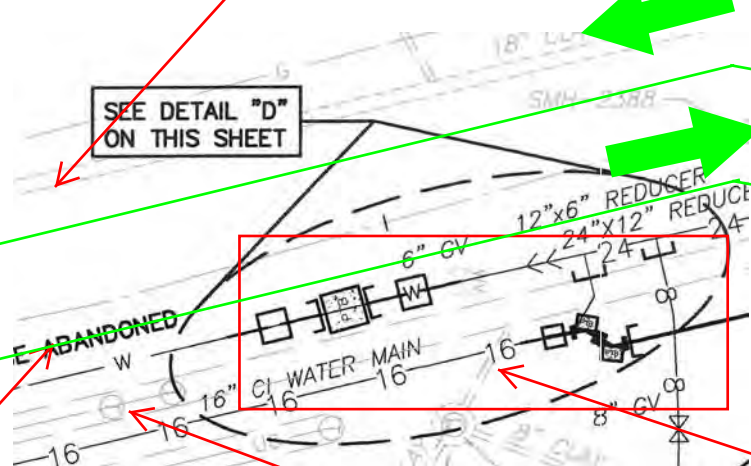
CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

SOUTHBOUND LANE: EAST LANE TO BE USED FOR NORTHBOUND TRAFFIC. WEST LANE TO BE USED FOR SOUTHBOUND TRAFFIC

POLICE DETAIL TO BE STATIONED AT INTERSECTION OF ALLDS ST AND MAIN ST.

SEE DETAIL "D" ON THIS SHEET



AREA OF WORK

CHANNELIZATION DEVICES 20 FT. ON CENTER

NORTHBOUND LANES CLOSED TO TRAFFIC.
100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON NORTH AND SOUTH OF WORKZONES.

RIGHT TURN LANE TO ALLDS ST. TO REMAIN OPEN

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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SHEET/PAGE NO.

SHEET 3/PAGE 3E

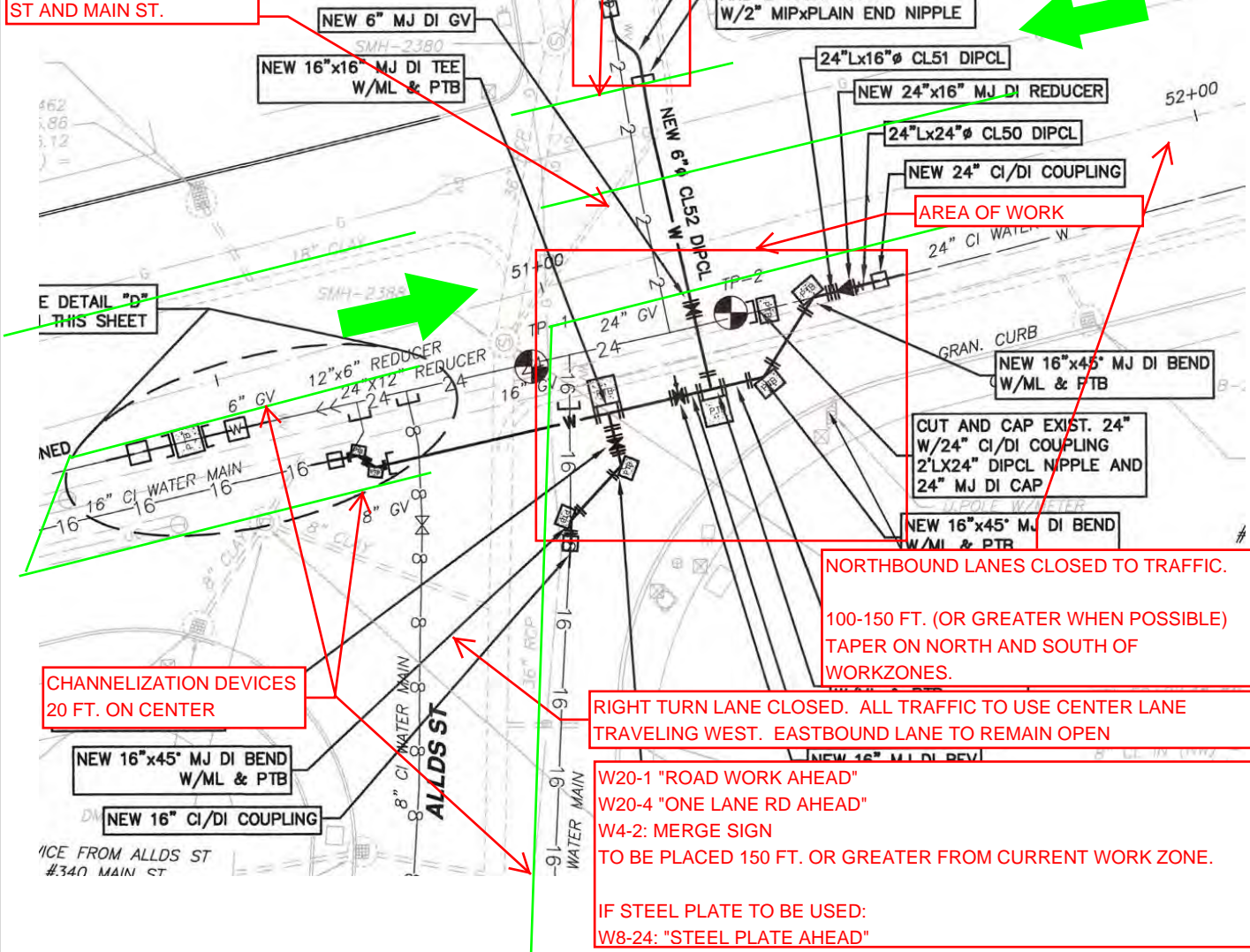
CHANNELIZATION DEVICES TO BE PLACED 20 FT. ON CENTER ALONG LENGTH OF LANE SHIFT.

LANE CLOSURE SIGNAGE TO BE PLACED 100 FT. PRIOR TO CHANNELIZATION.

POLICE DETAIL TO BE STATIONED AT INTERSECTION OF ALLDS ST AND MAIN ST.

WEST ALLDS ST CLOSED R11-3a
"ROAD CLOSED LOCAL TRAFFIC ONLY"

AREA OF WORK



NORTHBOUND LANES CLOSED TO TRAFFIC.

100-150 FT. (OR GREATER WHEN POSSIBLE) TAPER ON NORTH AND SOUTH OF WORKZONES.

RIGHT TURN LANE CLOSED. ALL TRAFFIC TO USE CENTER LANE TRAVELING WEST. EASTBOUND LANE TO REMAIN OPEN

W20-1 "ROAD WORK AHEAD"
W20-4 "ONE LANE RD AHEAD"
W4-2: MERGE SIGN
TO BE PLACED 150 FT. OR GREATER FROM CURRENT WORK ZONE.

IF STEEL PLATE TO BE USED:
W8-24: "STEEL PLATE AHEAD"

TRAFFIC CONTROL PLAN

SCALE: NTS



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SHEET 3/PAGE 3F